326712

STIC-EIC1600/2900

From: STIC EIC1600/2900@uspto.gov
Sent: Tuesday, March 30, 2010 8:58 AM
To: Arnold, Ernst
Cc: STIC-EIC1600/2900
Subject: Confirmation Receipt: 1600 Search Request - 10/578735

This is an automated email confirming that your 1600 Search Request has been received by STIC's EIC1600 <http://uspto-e-pattr-2/sirsapps/stic/npl/nplteic1600.htm> .

Thank you for using STIC <http://uspto-e-pattr-2/sirsapps/stic/npl/isdex.html> services.

Requester

Name: ARNOLD, ERNST V <http://es.uspto.gov/emlocator/runEmployee?ty.do?action=ListEmployeeByEmpNo&empNo=80866>
Organization: TC 1600
Art Unit: 1616
Employee Number:
Office Location: REM-4A11
Phone Number: (571)272-0509
Email: ernst.arnold@uspto.gov <mailto:ernst.arnold@uspto.gov?Subject=1600 Search Request>

Request Detail

Attachment: 10578735.pdf <file://\\Wsx-orgshares\Patents\STIC\Attachments\10578735.pdf>

Case/Application number: 10/578735 PALM <http://exposnb1:8091/cgi-bin/ewpo/GenInfo/enquery.pl?APPL_ID=10/578735>
Priority App. Filing Date:
Format for Search Results: SCORE

Meaning of unusual acronyms or initialisms:

Searcher: _____
Searcher Phone: _____
Date Searched: Filmed on: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA #: _____ AA#: _____
Text: _____ Oligomers: _____
Vendors(Files): _____
Structure #: _____ Type: _____
Inventor: _____ Litigation: _____

Requested where applicable
DIN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEMS: _____
WWW/Internet: _____
Other (specify): _____

MS

INVENTOR SEARCH

=> d ibib abs hitstr l10 1-2

L10 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:470204 HCAPLUS Full-text
DOCUMENT NUMBER: 143:2630
TITLE: Safened herbicide emulsifiable concentrates
INVENTOR(S): Fowler, Jeffrey D.; Haesslin, Angelika; Vogt, Manfred; Weber, Michelle
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005048706	A2	20050602	WO 2004-US38414	20041116
WO 2005048706	A3	20051110		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004291163	A1	20050602	AU 2004-291163	20041116
CA 2545403	A1	20050602	CA 2004-2545403	20041116
CA 2545403	C	20091020		
EP 1684583	A2	20060802	EP 2004-811204	20041116
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
CN 1893823	A	20070110	CN 2004-80037673	20041116
CN 100393204	C	20080611		
BR 2004016669	A	20070213	BR 2004-16669	20041116
JP 2007511537	T	20070510	JP 2006-540008	20041116
MX 2006005480	A	20060811	MX 2006-5480	20060515
IN 2006DN02705	A	20070810	IN 2006-DN2705	20060515
ZA 2006003944	A	20070926	ZA 2006-3944	20060516
US 20080248955	A1	20081009	US 2007-578735	20070518
PRIORITY APPLN. INFO.:			US 2003-520561P P	20031117
			WO 2004-US38414 W	20041116

OTHER SOURCE(S): MARPAT 143:2630

AB The invention relates to stable emulsifiable concs. comprising an oil adjuvant and at least one member selected from a herbicidal 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivative and a quinoline derivative safener.

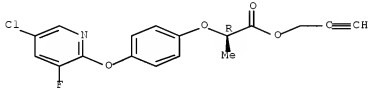
IT 126634-39-7
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened herbicide emulsifiable concentrate)

RN 126634-39-7 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)-, mixt. with 1-methylhexyl 2-[(5-chloro-8-quinolinyl)oxy]acetate (CA INDEX NAME)

CM 1

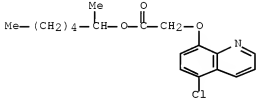
CRN 105512-06-9
CMF C17 H13 Cl F N O4

Absolute stereochemistry.



CM 2

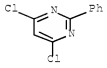
CRN 99607-70-2
CMF C18 H22 Cl N O3



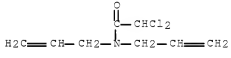
IT 3740-92-9D, Fenclorim, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
37764-25-3D, Dichlormid, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
72850-64-7D, Flurazole, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
74782-23-3D, Oxabetrinil, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
88349-88-6D, Cloquintocet, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
88485-37-4D, Fluxofenim, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
98730-04-2D, Benoxacor, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
99607-70-2D, Cloquintocet-mexyl, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
103112-35-2D, Fenchlorazole-ethyl, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
105512-06-9D, Clodinafop propargyl, mixts. with quinoline derivs.
121776-33-8D, Furilazole, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.

135590-91-9D, Mefenpyr diethyl, mixts. with
2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
135591-00-3D, Mefenpyr, mixts. with
2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
163520-33-0D, Isoxadifen-ethyl, mixts. with
2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs.
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened herbicide emulsifiable concs.)

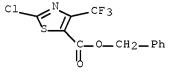
RN 3740-92-9 HCAPLUS
CN Pyrimidine, 4,6-dichloro-2-phenyl- (CA INDEX NAME)



RN 37764-25-3 HCAPLUS
CN Acetamide, 2,2-dichloro-N,N-di-2-propen-1-yl- (CA INDEX NAME)

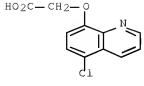


RN 72850-64-7 HCAPLUS
CN 5-Thiazolecarboxylic acid, 2-chloro-4-(trifluoromethyl)-, phenylmethyl ester (CA INDEX NAME)

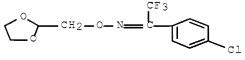


RN 74782-23-3 HCAPLUS
CN Benzeneacetonitrile, α-[(1,3-dioxolan-2-ylmethoxy)imino]- (CA INDEX NAME)

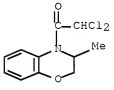
RN 88349-88-6 HCAPLUS
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]- (CA INDEX NAME)



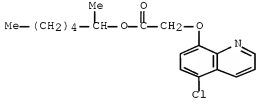
RN 88485-37-4 HCAPLUS
CN Ethanone, 1-(4-chlorophenyl)-2,2,2-trifluoro-, O-(1,3-dioxolan-2-ylmethyl)oxime (CA INDEX NAME)



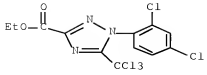
RN 98730-04-2 HCAPLUS
CN Ethanone, 2,2-dichloro-1-(2,3-dihydro-3-methyl-4H-1,4-benzoxazin-4-yl)- (CA INDEX NAME)



RN 99607-70-2 HCAPLUS
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)

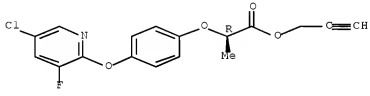


RN 103112-35-2 HCAPLUS
CN 1H-1,2,4-Triazole-3-carboxylic acid, 1-(2,4-dichlorophenyl)-5-(trichloromethyl)-, ethyl ester (CA INDEX NAME)

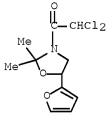


RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

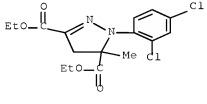
Absolute stereochemistry.



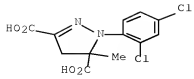
RN 121776-33-8 HCAPLUS
CN Ethanone, 2,2-dichloro-1-[5-(2-furanyl)-2,2-dimethyl-3-oxazolidinyl]- (CA INDEX NAME)



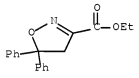
RN 135590-91-9 HCAPLUS
CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl-, 3,5-diethyl ester (CA INDEX NAME)



RN 135591-00-3 HCAPLUS
CN 1H-Pyrazole-3,5-dicarboxylic acid, 1-(2,4-dichlorophenyl)-4,5-dihydro-5-methyl- (CA INDEX NAME)



RN 163520-33-0 HCAPLUS
CN 3-Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester (CA INDEX NAME)



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 1995:410397 HCAPLUS Full-text
DOCUMENT NUMBER: 122:162893
ORIGINAL REFERENCE NO.: 122:30011a,30014a
TITLE: Polyurea microcapsules containing pesticides, their preparation and use
INVENTOR(S): Haesslin, Hans Walter
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Eur. Pat. Appl., 10 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 611253	A1	19940817	EP 1994-810053	19940201
EP 611253	B1	19981125		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 06238159	A	19940830	JP 1994-9199	19940131
JP 3419871	B2	20030623		
AT 173652	T	19981215	AT 1994-810053	19940201
ES 2123742	T3	19990116	ES 1994-810053	19940201
RU 2126628	C1	19990227	RU 1994-3826	19940204
CA 2115119	A1	19940810	CA 1994-2115119	19940207
CA 2115119	C	20041019		
IL 108570	A	19980104	IL 1994-108570	19940207
CZ 286472	B6	20000412	CZ 1994-253	19940207
ZA 9400839	A	19940809	ZA 1994-839	19940208
AU 9454985	A	19940811	AU 1994-54985	19940208
AU 671331	B2	19960822		

BR 9400463	A	19940927	BR 1994-463		19940208
CN 1093220	A	19941012	CN 1994-101362		19940208
CN 1066069	C	20010523			
HU 68808	A2	19950728	HU 1994-359		19940208
HU 213841	B	19971128			
AU 9671951	A	19970130	AU 1996-71951		19961122

PRIORITY APPLN. INFO.: US 1993-14972 A 19930209

AB Microcapsules having a capsule wall of polyurea are prepared by interfacial reaction of an aqueous dispersion of a solution of a polyisocyanate in a water-immiscible pesticide and an aqueous solution of a polyamine in the presence of a polymeric nonionic surfactant that contains at least a hydrophobic block and a hydrophilic block. Emulsifying a solution containing Solvesso 10.0, epoxidized soybean oil 7.0, 4,4'-MDI 5.4, and Diazinon 48 g in 71.1 g water containing 1.6 g Synperonic PEF 108, adding 2.2 g HMDA as a 60% aqueous solution, and stirring for 3-4 h gave a capsule suspension having viscosity 50 mPa-s, median particle diameter 15-25 μm, and active ingredient 315 g/L.

IT 28409-99-6P, 1,6-Hexanediamine-MDI copolymer
161485-59-2P
RL: IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of polyurea microcapsules containing pesticides)

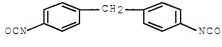
RN 28409-99-6 HCAPLUS
CN 1,6-Hexanediamine, polymer with 1,1'-methylenebis[4-isocyanatobenzene] (CA INDEX NAME)

CM 1

CRN 124-09-4
CMF C6 H16 N2

CM 2

CRN 101-68-8
CMF C15 H10 N2 O2



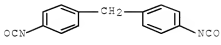
RN 161485-59-2 HCAPLUS
CN 1,2-Propanediol, polymer with 1,6-hexanediamine and 1,1'-methylenebis[4-isocyanatobenzene] (9CI) (CA INDEX NAME)

CM 1

CRN 124-09-4
CMF C6 H16 N2

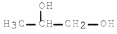
CM 2

CRN 101-68-8
CMF C15 H10 N2 O2

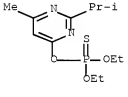


CM 3

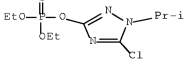
CRN 57-55-6
CMF C3 H8 O2



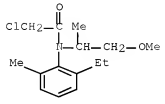
IT 333-41-5, Diazinon 42509-80-8, Isazofos
51218-45-2, Metolachlor 60207-90-1
65907-30-4, Furathiocarb 67306-00-7, Fenpropidin
RL: MSC (Miscellaneous)
(preparation of polyurea microcapsules containing pesticides)
RN 333-41-5 HCAPLUS
CN Phosphorothioic acid, O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] ester (CA INDEX NAME)



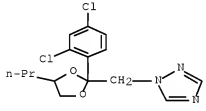
RN 42509-80-8 HCAPLUS
CN Phosphorothioic acid, O-[5-chloro-1-(1-methylethyl)-1H-1,2,4-triazol-3-yl] O,O-diethyl ester (CA INDEX NAME)



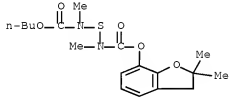
RN 51218-45-2 HCAPLUS
CN Acetamide, 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl)-
(CA INDEX NAME)



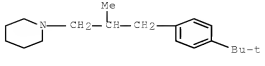
RN 60207-90-1 HCAPLUS
CN 1H-1,2,4-Triazole, 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]- (CA INDEX NAME)



RN 65907-30-4 HCAPLUS
CN 6-Oxa-3-thia-2,4-diazadecanoic acid, 2,4-dimethyl-5-oxo-,
2,3-dihydro-2,2-dimethyl-7-benzofuranyl ester (CA INDEX NAME)



RN 67306-00-7 HCAPLUS
CN Piperidine, 1-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]- (CA INDEX NAME)



IT 9003-39-8, Antara 430 106392-12-5, Synperonic PEF
108 110617-70-4, Tetronic 908 112419-44-0,
Ethylene oxide-methyl methacrylate graft copolymer 116219-49-9
, Vinyl acetate-vinylpyrrolidone block copolymer 116219-50-2,
Styrene-N-vinylpyrrolidone block copolymer 156309-06-7
RL: NUU (Other use, unclassified); USES (Uses)
(surfactant; preparation of polyurea microcapsules containing pesticides)

RN 9003-39-8 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, homopolymer (CA INDEX NAME)

CM 1

CRN 88-12-0
CMF C6 H9 N O

RN 106392-12-5 HCAPLUS
CN Oxirane, 2-methyl-, polymer with oxirane, block (CA INDEX NAME)

CM 1

CRN 75-56-9
CMF C3 H6 O

CM 2

CRN 75-21-8
CMF C2 H4 O

RN 110617-70-4 HCAPLUS
CN Oxirane, 2-methyl-, polymer with oxirane, ether with
(1,2-ethanediyldinitrilo)tetrakis[propanol] (4:1), block (CA INDEX NAME)

CM 1

CRN 78524-11-5
CMF C14 H32 N2 O4

CCI IDS

(n-Pr)2N— CH2— CH2—N(Pr-n)2

4 (D1—OH)

CM 2

CRN 106392-12-5
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 3

CRN 75-56-9
CMF C3 H6 O

CM 4

CRN 75-21-8
CMF C2 H4 O

RN 112419-44-0 HCAPLUS
CN 2-Propenoic acid, 2-methyl-, methyl ester, polymer with oxirane, graft (CA INDEX NAME)

CM 1

CRN 80-62-6
CMF C5 H8 O2

CM 2

CRN 75-21-8
CMF C2 H4 O

RN 116219-49-9 HCAPLUS
CN Acetic acid ethenyl ester, polymer with 1-ethenyl-2-pyrrolidinone, block (CA INDEX NAME)

CM 1

CRN 108-05-4
CMF C4 H6 O2

CM 2

CRN 88-12-0
CMF C6 H9 N O

RN 116219-50-2 HCAPLUS
CN 2-Pyrrolidinone, 1-ethenyl-, polymer with ethenylbenzene, block (CA INDEX NAME)

CM 1

CRN 100-42-5
CMF C8 H8

CM 2

CRN 88-12-0
CMF C6 H9 N O

RN 156309-06-7 HCAPLUS
CN Silanediol, 1,1-dimethyl-, polymer with oxirane, block (CA INDEX NAME)

CM 1

CRN 1066-42-8
CMF C2 H8 O2 Si

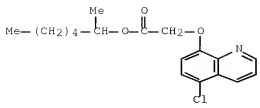
CM 2

CRN 75-21-8
CMF C2 H4 O

OS.CITING REF COUNT: 4 THERE ARE 4 CAPLUS RECORDS THAT CITE THIS RECORD (14 CITINGS)

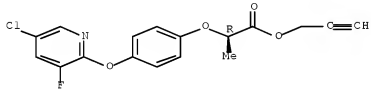
RESULTS FROM SEARCHES IN REGISTRY, CAPLUS, MEDLINE, BIOSIS, EMBASE, AND DRUGU

```
=> d que stat l19
L11           1 SEA FILE=REGISTRY ABB=ON  99607-70-2/RN
L12           1 SEA FILE=REGISTRY ABB=ON  105512-06-9/RN
L13         225 SEA FILE=HCAPLUS ABB=ON  L12
L14         201 SEA FILE=HCAPLUS ABB=ON  L11
L15          50 SEA FILE=HCAPLUS ABB=ON  L13 AND L14
L16           3 SEA FILE=HCAPLUS ABB=ON  L15 AND ?EMULS?
L17           7 SEA FILE=HCAPLUS ABB=ON  L15 AND ?CONCEN?
L18           9 SEA FILE=HCAPLUS ABB=ON  L16 OR L17
L19           0 SEA L18


=> d ibib abs hitstr l18 1-9

L18  ANSWER 1 OF 9  HCAPLUS  COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER:         2009:1544117  HCAPLUS  Full-text
DOCUMENT NUMBER:          152:73502
TITLE:                    Rapid analysis method for determining multiple
                          pesticide residues in fruit and vegetable
INVENTOR(S):              Lou, Xishan; Fu, Jian; Gao, Hongliang
PATENT ASSIGNEE(S):       Yantai Jieke Inspection Service Co., Ltd., Peop. Rep.
                          China
SOURCE:                   Faming Zhuanli Shenqing Gongkai Shuomingshu, 16pp.
                          CODEN: CNXXEV
DOCUMENT TYPE:            Patent
LANGUAGE:                 Chinese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ----------          ----   --------    -------------------    --------
     CN 101598708         A     20091209    CN 2009-10015573       20090519
PRIORITY APPLN. INFO.:                      CN 2009-10015573       20090519
AB   The title rapid anal. method for determining multiple pesticide residues in
     fruit and vegetable comprises weighing sample, adding it into a centrifuge
     tube with anhydrous sodium acetate and anhydrous magnesium sulfate, adding
     acetic acid acetonitrile solution, vibrating, ultrasonic extracting,
     centrifuging, placing the extracting solution into a centrifuge tube with
     mixed filler (such as PSA and graphitized carbon at a weight ratio of 1:1, or
     graphitized carbon, PSA and C18 at a weight ratio of 1:2:2), vibrating,
     centrifuging, sucking purified solution, concentrating and evaporating to
     dryness, diluting to constant volume with mixed solution of acetonitrile and
     water at a volume ratio of 1:1, and carrying out UPLC/MS/MS.  The invention
     adopts fruit and vegetable as matrix, and employs matrix solid-phase
     dispersion technique to pretreat sample, so as to realize rapid detection of
     pesticide residues (including avermectins, aldicarb, cyromazine, etc.) in
     fruit and vegetable.  The invention has the advantages of rapid detection,
     accurate detection result, high efficiency and low cost.
IT   99607-70-2, Cloquintocet-mexyl   105512-06-9,
     Clodinafop-propargyl
     RL: ANT (Analyte); ANST (Analytical study)
        (rapid anal. method for determining multiple pesticide residues in fruit
and
        vegetable)
RN   99607-70-2  HCAPLUS
CN   Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester  (CA
     INDEX NAME)
```



RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



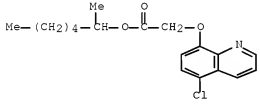
L18 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2009:433724 HCAPLUS Full-text
DOCUMENT NUMBER: 151:7026
TITLE: Rapid screening and confirmation of 156 pesticide residues in concentrated fruit and vegetable juices using liquid chromatography-tandem mass spectrometry
AUTHOR(S): Li, Yan; Zheng, Feng; Wang, Minglin; Pang, Guofang
CORPORATE SOURCE: College of Food Science and Engineering, Shandong Agricultural University, Taian, 271018, Peop. Rep. China
SOURCE: Sepu (2009), 27(2), 127-137
CODEN: SEPUER; ISSN: 1000-8713
PUBLISHER: Kexue Chubanshe
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

AB A multiresidue anal. method was developed for the determination of 156 pesticides in concentrated fruit and vegetable juices using liquid chromatog. coupled with electrospray ionization tandem mass spectrometry (LC-ESI-MS/MS). The pesticide residues were extracted from the samples by acetonitrile containing 1% acetate acid, cleaned-up by a Waters Sep-Pak Vac cartridge, eluted with 25 mL acetonitrile-toluene (3:1, volume/volume) and concentrated with a rotary evaporator. The sample was redissolved in the acetonitrile-water (3:2, volume/volume), then analyzed using LC-MS/MS in multiple reaction monitoring (MRM) mode via pos. electrospray ionization with an Agilent ZORBAX SB-C18 column as the anal. column. The method was validated at two fortification levels in five fruit and vegetable juices, orange, apple, grape, cabbage and carrot juices. The validation results were as follows: The overall recoveries were from 57.2% to 122.7% with the relative standard deviations (RSDs) of 0.9%-19.8%, and the limits of detection (S/N = 3) and the limits of quantification (S/N = 10) were 0.10-56.77 μg/kg and 0.33-189.23

μg/kg, resp. The results demonstrated that this method is simple, rapid and characterized with acceptable sensitivity and accuracy to meet the requirements of the multiple pesticide residue anal. This method is applicable to confirm 156 pesticide residues in the above five juices.

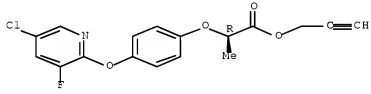
IT 99607-70-2, Cloquintocet mexyl 105512-06-9, Clodinafop propargyl
RL: AGR (Agricultural use); ANT (Analyte); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(rapid screening and confirmation of 156 pesticide residues in concentrated fruit and vegetable juices using liquid chromatog.-tandem mass spectrometry)

RN 99607-70-2 HCAPLUS
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



L18 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

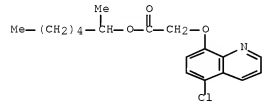
ACCESSION NUMBER:	2006:798808 HCAPLUS Full-text
DOCUMENT NUMBER:	145:437387
TITLE:	Multi-residue method for the determination of 450 pesticide residues in honey, fruit juice and wine by double-cartridge solid-phase extraction/gas chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry
AUTHOR(S):	Pang, G.-F.; Fan, C.-L.; Liu, Y.-M.; Cao, Y.-Z.; Zhang, J.-J.; Fu, B.-L.; Li, X.-M.; Li, Z.-Y.; Wu, Y.-P.
CORPORATE SOURCE:	Qinhuangdao Entry-Exit Inspection and Quarantine Bureau Inspection and Quarantine Technique Centre, Qinhuangdao China Qinhuangdao, 066002, Peop. Rep. China
SOURCE:	Food Additives & Contaminants (2006), 23(8), 777-810 CODEN: FACOEB; ISSN: 0265-203X

PUBLISHER: Taylor & Francis Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A multi-residue method was developed for the determination of 450 pesticide residues in honey, fruit juice and wine using double-cartridge solid-phase extraction (SPE), gas chromatog.-mass spectrometry (GC-MS) and liquid chromatog.-tandem mass spectrometry (LC-MS-MS). The method development was based on an appraisal of the characteristics of GC-MS and LC-MS-MS for 654 pesticides as well as the efficiency of extraction and purification from honey, fruit juice and wine. Samples were first diluted with water plus acetone, then extracted with portions of dichloromethane. The exts. were concd . and cleaned up with graphitized carbon black and aminopropyl cartridges stacked in tandem. Pesticides were eluted with acetonitrile + toluene, and the eluates were concentrated For 383 pesticides, the eluate was extracted with hexane twice and internal standard solution was added prior to GC-MS determination For 67 pesticides, extraction was with methanol prior to LC-MS-MS determination The limit of detection for the method was between 1.0 and 300 ng g-1 depending on each pesticide analyte. At the three fortification levels of 2.0-3000 ng g-1, the average recovery rates were between 59 and 123%, among which 413 pesticides (92% of the 450) had recovery rates of 70-120% and 35 pesticides (8% of the 450) had recovery rates of 59-70%. There were 437 pesticides (97% of the 450) with a relative standard deviation below 25%; there were 13 varieties (3% of the 450) between 25.0 and 30.4%.

IT 99607-70-2, Cloquintocet-mexyl 105512-06-9, Clodinafop-propargyl
RL: ANT (Analyte); POL (Pollutant); ANST (Analytical study); OCCU (Occurrence)
(determination of pesticide residues in honey, fruit juice and wine)

RN 99607-70-2 HCAPLUS
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

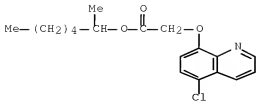
Absolute stereochemistry.

OS.CITING REF COUNT: 16 THERE ARE 16 CAPLUS RECORDS THAT CITE THIS RECORD (16 CITINGS)
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:769444 HCAPLUS Full-text
DOCUMENT NUMBER: 145:355141
TITLE: Validation study on 660 pesticide residues in animal tissues by gel permeation chromatography cleanup/gas chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry
AUTHOR(S): Pang, Guo-Fang; Cao, Yan-Zhong; Zhang, Jin-Jie; Fan, Chun-Lin; Liu, Yong-Ming; Li, Xue-Min; Jia, Guang-Qun; Li, Zeng-Yin; Shi, Yu-Qiu; Wu, Yan-Ping; Guo, Tong-Tong
CORPORATE SOURCE: Qinhuangdao Entry-Exit Inspection and Quarantine Bureau, Hebei PC, PC 066002, Peop. Rep. China
SOURCE: Journal of Chromatography, A (2006), 1125(1), 1-30
CODEN: JCRAEY; ISSN: 0021-9673
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English

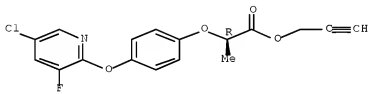
AB A new method using gel permeation chromatog. (GPC) cleanup followed by gas chromatog.-mass spectrometry (GC-MS) and liquid chromatog.-tandem mass spectrometry (LC-MS-MS) has been established for quant. determination of 437 pesticide residues in animal tissues such as beef, mutton, pork, chicken, and rabbit. Based on an appraisal of the characteristics of both GC-MS and LC-MS-MS, validation expts. were conducted for 660 pesticides. In the method, 10 g animal samples were mixed with 20 g sodium sulfate and extracted with 35 mL of cyclohexane + Et acetate (1 + 1) twice by blender homogenization, centrifugation, and filtration. Evaporation was conducted and an equivalent of 5 g sample was injected into a 400 mm + 25 mm S-X3 GPC column, with cyclohexane + Et acetate (1 + 1) as the mobile phase at a flow rate of 5 mL/min. The 22-40 min fraction was collected for subsequent anal. For the 368 pesticides determined by GC-MS, the portions collected from GPC were concentrated to 0.5 mL and exchanged with 5 mL hexane twice. For the 69 pesticides by LC-MS-MS, the portions collected from GPC were dissolved with acetonitrile + water (60 + 40) after taking the extract to dryness with nitrogen gas. In the linear range of each pesticide, the correlation coefficient was $r \geq 0.98$, exceptions being dinobuton, linuron, and fenamiphos sulfoxide. At the low, medium and high three fortification levels of 0.2-4800 μg/kg, recoveries fell within 40-120%, among which 417 pesticides recoveries between 60% and 120%, accounting for 95%, 20 analytes between 40% and 60%, accounting for 5%. The relative standard deviation was below 28% for all 437 pesticides. The limits of detection for the method were 0.2-600 μg/kg, depending on each pesticide.

IT 99607-70-2, Cloquintocetmexyl 105512-06-9, Clodinafoppropargyl
RL: ANT (Analyte); ANST (Analytical study)
(determination of pesticides in animal tissues by gel permeation chromatog. cleanup/gas chromatog.-mass spectrometry and liquid chromatog.-tandem mass spectrometry)
RN 99607-70-2 HCAPLUS
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



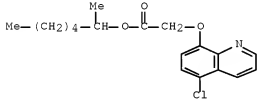
OS.CITING REF COUNT: 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (20 CITINGS)
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2006:560057 HCAPLUS Full-text
DOCUMENT NUMBER: 145:247720
TITLE: Determination of residues of 446 pesticides in fruits and vegetables by three-cartridge solid-phase extraction-gas chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry
AUTHOR(S): Pang, Guo-Fang; Fan, Chun-Lin; Liu, Yong-Ming; Cao, Yan-Zhong; Zhang, Jin-Jie; Li, Xue-Min; Li, Zeng-Yin; Wu, Yan-Ping; Guo, Tong-Tong
CORPORATE SOURCE: Qinhuangdao Entry-Exit Inspection and Quarantine Bureau, Qinhuangdao, Hebei, 066002, Peop. Rep. China
SOURCE: Journal of AOAC International (2006), 89(3), 740-771
CODEN: JAINEE; ISSN: 1060-3271
PUBLISHER: AOAC International
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A method was developed for determination of residues of 446 pesticides in fruits and vegetables through the use of cleanup by a 3-cartridge solid-phase extraction-gas chromatog./mass spectrometry (GC/MS) and liquid chromatog./tandem mass spectrometry (LC/MS/MS). Fruit and vegetable samples (20 g) were extracted with 40 mL acetonitrile, salted out, and centrifuged. Half of the supernatant was passed into an Envi-18 cartridge, eluted with acetonitrile, and cleaned up with Envi-Carb and aminopropyl Sep-Pak cartridges in series after concentration of the eluates. Pesticides were eluted with acetonitrile-toluene (3 + 1, volume/volume), and eluates were concentrated to 0.5 mL and then added into internal stds. after solvent exchange with 2 mL hexane and used for determination of 383 pesticides by GC/MS. The other half of the supernatant was concentrated to 1 mL and cleaned up with vegetable and

aminopropyl Sep-Pak cartridges in series. Pesticides were eluted with acetonitrile-toluene (3 + 1, volume/volume), and the eluates were concentrated to 0.5 mL, dried with nitrogen gas, diluted to 1.0 mL with acetonitrile-water (3 + 2, volume/volume), and used for determination of 63 pesticides by LC/MS/MS. The limit of detection for the method was 0.2-600 ng/g depending on the individual pesticide. In the method, fortification recovery tests at high, medium, and low levels were conducted on 6 varieties of fruits and vegetables, i.e., apples, oranges, grapes, cabbage, tomatoes, and celery, with average recoveries falling within the range of 55.0-133.8% for 446 pesticides, among which average recoveries between 60.0-120.0% accounted for 99% of the results. The relative standard deviation was between 2.1-39.1%, of which a relative standard deviation of 2.1-25.0% made up 96% of the results. Expts. proved that the method was applicable for determination of residues of 446 pesticides in fruit and vegetables.

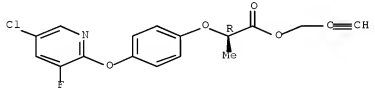
IT 99607-70-2, Cloquintocet-mexyl 105512-06-9, Clodinafop-propargyl
RL: ANT (Analyte); POL (Pollutant); ANST (Analytical study); OCCU (Occurrence)
(pesticides in fruits and vegetable determined by 3-cartridge solid-phase extraction and GC-MS and LC-MS-MS)

RN 99607-70-2 HCAPLUS
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 21 THERE ARE 21 CAPLUS RECORDS THAT CITE THIS RECORD (22 CITINGS)
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:470204 HCAPLUS Full-text
DOCUMENT NUMBER: 143:2630
TITLE: Safened herbicide ~~emulsifiable~~

concentrates
INVENTOR(S): Fowler, Jeffrey D.; Haesslin, Angelika; Vogt, Manfred; Weber, Michelle
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 2005048706	A2	20050602	WO 2004-US38414		20041116
WO 2005048706	A3	20051110			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
AU 2004291163	A1	20050602	AU 2004-291163		20041116
CA 2545403	A1	20050602	CA 2004-2545403		20041116
CA 2545403	C	20091020			
EP 1684583	A2	20060802	EP 2004-811204		20041116
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS					
CN 1893823	A	20070110	CN 2004-80037673		20041116
CN 100393204	C	20080611			
BR 2004016669	A	20070213	BR 2004-16669		20041116
JP 2007511537	T	20070510	JP 2006-540008		20041116
MX 2006005480	A	20060811	MX 2006-5480		20060515
IN 2006DN02705	A	20070810	IN 2006-DN2705		20060515
ZA 2006003944	A	20070926	ZA 2006-3944		20060516
US 20080248955	A1	20081009	US 2007-578735		20070518
PRIORITY APPLN. INFO.:			US 2003-520561P	P	20031117
			WO 2004-US38414	W	20041116

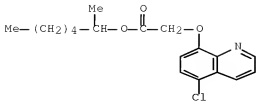
OTHER SOURCE(S): MARPAT 143:2630

AB The invention relates to stable emulsifiable concs. comprising an oil adjuvant and at least one member selected from a herbicidal 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivative and a quinoline derivative safener.

IT 99607-70-2D, Cloquintocet-mexyl, mixts. with 2-[4-[(5-chloro-3-fluoropyridin-2-yloxy)]phenoxy]propionic acid derivs. 105512-06-9D, Clodinafop propargyl, mixts. with quinoline derivs.
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(safened herbicide emulsifiable concs.)

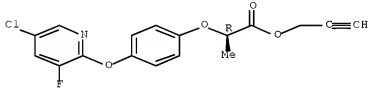
RN 99607-70-2 HCAPLUS

CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD (1 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 7 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2005:141200 HCAPLUS Full-text
DOCUMENT NUMBER: 142:254568
TITLE: Methods and compositions for increasing the efficacy of biologically-active ingredients such as antitumor agents
INVENTOR(S): Windsor, J. Brian; Roux, Stan J.; Lloyd, Alan M.; Thomas, Collin E.
PATENT ASSIGNEE(S): Board of Regents, the University of Texas System, USA
SOURCE: PCT Int. Appl., 243 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014777	A2	20050217	WO 2003-US32667	20031016
WO 2005014777	A3	20050915		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

CA 2502148	A1	20050217	CA 2003-2502148		20031016
AU 2003304398	A1	20050225	AU 2003-304398		20031016
EP 1576150	A2	20050921	EP 2003-816736		20031016
EP 1576150	A3	20051102			

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

US 20060276339	A1	20061207	US 2006-531744		20060123
PRIORITY APPLN. INFO.:			US 2002-418803P	P	20021016
			WO 2003-US32667	W	20031016

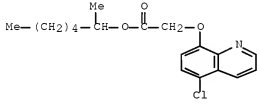
ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

AB The invention provides methods and compns. for modulating the sensitivity of cells to cytotoxic compds. and other active agents. In accordance with the invention, compns. are provided comprising combinations of ectophosphatase inhibitors and active agents. Active agents include antibiotics, fungicides, herbicides, insecticides, chemotherapeutic agents, and plant growth regulators. By increasing the efficacy of active agents, the invention allows use of compns. with lowered concns. of active ingredients.

IT 99607-70-2 105512-06-9
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(methods and compns. for increasing efficacy of biol. active ingredients such as antitumor agents)

RN 99607-70-2 HCAPLUS

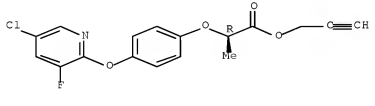
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



RN 105512-06-9 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



OS.CITING REF COUNT: 9 THERE ARE 9 CAPLUS RECORDS THAT CITE THIS RECORD (9 CITINGS)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 2002:675751 HCAPLUS Full-text
DOCUMENT NUMBER: 137:197002
TITLE: Herbicidal aqueous emulsion composition containing clodinafop-propargyl and cloquintocet-mexyl
INVENTOR(S): Haesslin, Hans Walter; Torrent, Marlene; Schlatter, Christian
PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

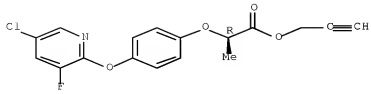
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002067682	A1	20020906	WO 2002-EP1963	20020225
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2435742	A1	20020906	CA 2002-2435742	20020225
AU 2002253066	A1	20020912	AU 2002-253066	20020225
AU 2002253066	B2	20051013		
EP 1363495	A1	20031126	EP 2002-722133	20020225
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
HU 2003003245	A2	20040128	HU 2003-3245	20020225
HU 2003003245	A3	20070730		
BR 2002007615	A	20040309	BR 2002-7615	20020225
JP 2004523549	T	20040805	JP 2002-567064	20020225
CN 1604739	A	20050406	CN 2002-805540	20020225
CN 1324961	C	20070711		
RU 2276844	C2	20060527	RU 2003-127389	20020225
ZA 2003005517	A	20040928	ZA 2003-5517	20030717
US 20040082476	A1	20040429	US 2003-468548	20030820
US 6849575	B2	20050201		
MX 2003007539	A	20031204	MX 2003-7539	20030821
IN 2003CN01330	A	20051125	IN 2003-CN1330	20030825
PRIORITY APPLN. INFO.:			CH 2001-348 A	20010226
			WO 2002-EP1963 W	20020225

AB A herbicidal composition in the form of an aqueous emulsion which comprises, as organic phase, a solution of a herbicidally effective amount of clodinafop-propargyl and the cloquintocet-mexyl safener in a hydrophobic solvent and a substantially water-insol. and hydrolysis-stable oil phase stabilizer, and, as aqueous phase, a solution of a pH buffer and at least one surface-active compound and/or dispersing agent in water.

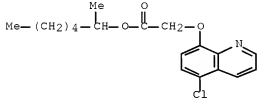
IT 105512-06-9, Clodinafop-propargyl
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(herbicidal aqueous emulsion composition containing)

RN 105512-06-9 HCAPLUS
CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



IT 99607-70-2, Cloquintocet-mexyl
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(safener in herbicidal aqueous emulsion composition containing clodinafop-propargyl)
RN 99607-70-2 HCAPLUS
CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2010 ACS on STN
ACCESSION NUMBER: 2002:353429 HCAPLUS Full-text
DOCUMENT NUMBER: 136:351648
TITLE: Agrochemical herbicidal compositions containing a quinoline safener
INVENTOR(S): Haesslin, Hans Walter; Blatter, Fritz
PATENT ASSIGNEE(S): Syngenta Participations Ag, Switz.
SOURCE: PCT Int. Appl., 17 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002036566	A1	20020510	WO 2001-EP12482	20011029
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

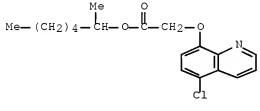
CA 2425023	A1	20020510	CA 2001-2425023		20011029
AU 2002021774	A	20020515	AU 2002-21774		20011029
EP 1330438	A1	20030730	EP 2001-992701		20011029
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR					
TR 200300551	T2	20030922	TR 2003-551		20011029
HU 2003001593	A2	20031028	HU 2003-1593		20011029
HU 2003001593	A3	20041129			
BR 2001015026	A	20031223	BR 2001-15026		20011029
JP 2004513115	T	20040430	JP 2002-539326		20011029
ZA 2003002583	A	20040428	ZA 2003-2583		20030402
MX 2003003747	A	20030728	MX 2003-3747		20030428
IN 2003CN00635	A	20050415	IN 2003-CN635		20030428
US 20040038824	A1	20040226	US 2003-415565		20030430
PRIORITY APPLN. INFO.:			CH 2000-2135	A	20001101
			WO 2001-EP12482	W	20011029

AB Agrochem. composition in the form of a suspension concentrate, comprises, in addition to further customary formulation auxiliaries, a surface-active compound and a quinoline derivative [(5-chloro-8-quinolinyl)oxy]-acetic acid 1-methylhexyl ester n-hydrate (n = 2-6) as a safener.

IT 99607-70-2
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(herbicidal compns. containing quinoline safener)

RN 99607-70-2 HCAPLUS

CN Acetic acid, 2-[(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (CA INDEX NAME)

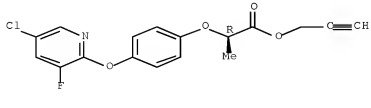


IT 105512-06-9
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(herbicide in agrochem. compns. containing quinoline safener)

RN 105512-06-9 HCAPLUS

CN Propanoic acid, 2-[4-[(5-chloro-3-fluoro-2-pyridinyl)oxy]phenoxy]-, 2-propyn-1-yl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

SEARCH HISTORY

```
=> d his ful

     (FILE 'HOME' ENTERED AT 15:55:53 ON 30 MAR 2010)

     FILE 'HCAPLUS' ENTERED AT 15:56:01 ON 30 MAR 2010
                E FOWLER JEFFREY DAVID/AU
L1            7 SEA ABB=ON  ("FOWLER JEFFREY D"/AU OR "FOWLER JEFFREY DAVID"/AU
                )
                E HAESSLIN HANS WALTER/AU
L2           25 SEA ABB=ON  ("HAESSLIN H W"/AU OR "HAESSLIN HANS W"/AU OR
                "HAESSLIN HANS WALTER"/AU)
                E HAESSLIN ANGELIKA/AU
L3            1 SEA ABB=ON  "HAESSLIN ANGELIKA"/AU
                E HAESSLIN ANDREAS/AU
                E VOGT MANFRED/AU
L4           17 SEA ABB=ON  "VOGT MANFRED"/AU
                E WEBER MICHELLE/AU
L5           14 SEA ABB=ON  ("WEBER MICHELLE"/AU OR "WEBER MICHELLE E"/AU OR
                "WEBER MICHELLE ELIZABETH"/AU)
L6            0 SEA ABB=ON  L1 AND L2 AND L3 AND L4 AND L5
L7           61 SEA ABB=ON  L1 OR L2 OR L3 OR L4 OR L5
L8            3 SEA ABB=ON  L7 AND ?EMULSIF?
                SELECT RN L8 1-3

     FILE 'REGISTRY' ENTERED AT 15:58:15 ON 30 MAR 2010
L9           30 SEA ABB=ON  (103112-35-2/BI OR 105512-06-9/BI OR 106392-12-5/BI
                 OR 110617-70-4/BI OR 112419-44-0/BI OR 116219-49-9/BI OR
                116219-50-2/BI OR 121776-33-8/BI OR 126634-39-7/BI OR 135590-91
                -9/BI OR 135591-00-3/BI OR 156309-06-7/BI OR 161485-59-2/BI OR
                163520-33-0/BI OR 28409-99-6/BI OR 333-41-5/BI OR 3740-92-9/BI
                OR 37764-25-3/BI OR 42509-80-8/BI OR 51218-45-2/BI OR 60207-90-
                1/BI OR 65907-30-4/BI OR 67306-00-7/BI OR 72850-64-7/BI OR
                74782-23-3/BI OR 88349-88-6/BI OR 88485-37-4/BI OR 9003-39-8/BI
                 OR 98730-04-2/BI OR 99607-70-2/BI)

     FILE 'HCAPLUS' ENTERED AT 15:58:21 ON 30 MAR 2010
L10           2 SEA ABB=ON  L8 AND L9

     FILE 'REGISTRY' ENTERED AT 15:59:33 ON 30 MAR 2010
L11           1 SEA ABB=ON  99607-70-2/RN
L12           1 SEA ABB=ON  105512-06-9/RN

     FILE 'HCAPLUS' ENTERED AT 15:59:50 ON 30 MAR 2010
L13         225 SEA ABB=ON  L12
L14         201 SEA ABB=ON  L11
L15          50 SEA ABB=ON  L13 AND L14
L16           3 SEA ABB=ON  L15 AND ?EMULS?
L17           7 SEA ABB=ON  L15 AND ?CONCEN?
L18           9 SEA ABB=ON  L16 OR L17

     FILE 'MEDLINE, BIOSIS, EMBASE, DRUGU' ENTERED AT 16:01:16 ON 30 MAR 2010
L19           0 SEA ABB=ON  L18

     FILE HOME

     FILE HCAPLUS
```

FILE COVERS 1907 - 30 Mar 2010 VOL 152 ISS 14
FILE LAST UPDATED: 29 Mar 2010 (20100329/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

HCAplus now includes complete International Patent Classification (IPC) reclassification data for the first quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

FILE REGISTRY
Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 29 MAR 2010 HIGHEST RN 1215067-82-5
DICTIONARY FILE UPDATES: 29 MAR 2010 HIGHEST RN 1215067-82-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

FILE MEDLINE
FILE LAST UPDATED: 27 Mar 2010 (20100327/UP). FILE COVERS 1949 TO DATE.

MEDLINE and LMEDLINE have been updated with the 2010 Medical Subject Headings (MeSH) vocabulary and tree numbers from the U.S. National Libra of Medicine (NLM). Additional information is available at

http://www.nlm.nih.gov/pubs/techbull/nd09/nd09_medline_data_changes_2010.

The Medline file has been reloaded effective January 24, 2010. See HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate

substance identification.

See HELP RANGE before carrying out any RANGE search.

FILE BIOSIS
FILE COVERS 1926 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1926 TO DATE.

RECORDS LAST ADDED: 24 March 2010 (20100324/ED)

BIOSIS has been augmented with 1.8 million archival records from 1926
through 1968. These records have been re-indexed to match current
BIOSIS indexing.

FILE EMBASE
FILE COVERS 1974 TO 30 Mar 2010 (20100330/ED)

EMBASE is now updated daily. SDI frequency remains weekly (default)
and biweekly.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

For further assistance, please contact your local helpdesk.

FILE DRUGU
FILE LAST UPDATED: 25 MAR 2010 <20100325/UP>
>>> DERWENT DRUG FILE (SUBSCRIBER) <<<

>>> FILE COVERS 1983 TO DATE <<<
>>> THESAURUS AVAILABLE IN /CT <<<